

#5

FILING DECLARATION
AND POWER OF ATTORNEY

Navy Case 78,824

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **METHOD AND APPARATUS FOR MODELING COSMIC RAY EFFECTS ON MICROELECTRONICS**, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a), including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim priority benefits under 35 United States Code Section 119 (e) for any provisional application listed below and have also identified below the priority date of filing of the provisional application which is before the filing date of the application for which this priority is claimed.

Prior Provisional Applications

Priority Claimed

Number	Day/Month/Year Filed	Yes	No
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I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign applications for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Number	Country	Filing Date	Priority (Yes/No)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Appl. Serial No.	U.S. Filing Date	Status (patented/pending/abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the registered practitioners in the office of Associate Counsel, Intellectual Property for Naval Research Laboratory, Washington DC associated with Customer Number 26384 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and hereby certify that the Government of the United States has the irrevocable right to prosecute this application. Direct all correspondence to that Customer Number.

SEND CORRESPONDENCE TO: Associate Counsel (Patents), Code 1008.2 Naval Research Laboratory Washington, D.C. 20375-5000	DIRECT TELEPHONE CALLS TO: Attorney Name: JANE BARROW Reg. No. 34,217 (202)404-1551
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF JOINT INVENTOR 1: JAMES H. ADAMS, JR.

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: HUNTSVILLE, AL

CITIZENSHIP: USA

POST OFFICE ADDRESS: 13021 HUNTCLIFF ROAD, HUNTSVILLE, AL 35803

FULL NAME OF JOINT INVENTOR 2: PAUL R. BOBERG

INVENTOR'S SIGNATURE: *Paul R. Boberg* DATE: *7-22-02*

RESIDENCE: VALENCIA, CA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 27338 BRIGHTON DRIVE, VALENCIA, CA 91354

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APR 25 2003

PETITIONS OFFICE

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DECLARATION
AND POWER OF ATTORNEY

Navy Case 78-824

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **METHOD AND APPARATUS FOR MODELING CORMIC RAY REFLECTOR ON MICROLELECTRONICS**, the specification of which is attached hereto. I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, 1.13(a), including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application. I hereby claim priority benefits under 35 United States Code Section 119 (d) for any provisional application listed below and have also identified below the priority date of filing of the provisional application which is before the filing date of the application for which this priority is claimed.

Prior Provisional Applications

Priority Claimed

Number	Day/Month/Year Filed	Yes	No
I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign applications for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:			
Number	Country	Filing Date	Priority (Yes/No)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 119, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, 1.13(a)(2) which occurred between the filing date of the prior application and the national or PCT International filing date of this application.

U.S. Appl. Serial No.	U.S. Filing Date	Status (patented/pending/abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the registered practitioners in the office of Associate Counsel, Intellectual Property for Naval Research Laboratory, Washington DC associated with Customer Number 20383 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and hereby certify that the Government of the United States has the irrevocable right to prosecute this application, direct all correspondence to that Customer Number.

SEND CORRESPONDENCE TO:

Associate Counsel (Paralegal), Code 1008.2
Naval Research Laboratory
Washington, D.C. 20375-5000

DIRECT TELEPHONE CALLS TO:
Attorney Name: JAMES BARKOW
Reg. No. 34,317
(302) 404-1551

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are made are punishable by fine or imprisonment, or both, under Section 101 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF JOINT INVENTOR 1: JAMES H. ADAMS, JR.

INVENTOR'S SIGNATURE: James H. Adams Jr.

DATE: July 12, 2002

RESIDENCE: HUNTSVILLE, AL

CITIZENSHIP: USA

POST OFFICE ADDRESS: 1302 PINECLIFF ROAD, HUNTSVILLE, AL 35801

FULL NAME OF JOINT INVENTOR 2: PAUL H. BODEIG

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: VALENCIA, CA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 2708 BRIGHAM DRIVE, VALENCIA, CA 91355

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FILING DECLARATION
AND POWER OF ATTORNEY

Navy Case 78,824

FULL NAME OF JOINT INVENTOR 3: BRUCE A. BROWNSTEIN

INVENTOR'S SIGNATURE: Bruce A. BrownsteinDATE: 9/3/02

RESIDENCE: OXON HILL, MD

CITIZENSHIP: USA

POST OFFICE ADDRESS: 7402 OXON HILL ROAD, OXON HILL, MD 20745

FULL NAME OF JOINT INVENTOR 4: WILLIAM F. DIETRICH

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: PROSPECT HEIGHTS, IL

CITIZENSHIP: USA

POST OFFICE ADDRESS: 13 SOUTH PARKWAY, PROSPECT HEIGHTS, IL 60070

FULL NAME OF JOINT INVENTOR 5: ERWIN O. FLUECKIGER

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: SWITZERLAND

CITIZENSHIP: SWITZERLAND

POST OFFICE ADDRESS: HALLERSTRASSE 50, CH-3012 BERN, SWITZERLAND

FULL NAME OF JOINT INVENTOR 6: EDWARD L. PETERSEN

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: FAIRFAX, VA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 9502 BABSON COURT, FAIRFAX, VA 22032-2001

FULL NAME OF JOINT INVENTOR 7: MARGARET A. SHEA

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: NASHUA, NH

CITIZENSHIP: USA

POST OFFICE ADDRESS: 100 TENNYSON AVENUE, NASHUA, NH 03062-2535

FULL NAME OF JOINT INVENTOR 8: DON F. SMART

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: NASHUA, NH

CITIZENSHIP: USA

POST OFFICE ADDRESS: 100 TENNYSON AVENUE, NASHUA, NH 03062-2535

FULL NAME OF JOINT INVENTOR 9: EDWARD C. SMITH

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: OCEANSIDE, CA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 3724 SOUTHRIDGE WAY, OCEANSIDE, CA 92056

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AND POWER OF ATTORNEY

Navy Case 78-824

FULL NAME OF JOINT INVENTOR 3: BUDDY BROWNSTEIN

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: OXON HILL, MD

CITIZENSHIP: USA

POST OFFICE ADDRESS: 7402 OXON HILL ROAD, OXON HILL, MD 20745

FULL NAME OF JOINT INVENTOR 4: WILLIAM METRICH

INVENTOR'S SIGNATURE: *William F. Metrich*DATE: *July 18 2002*

RESIDENCE: KOSOLOVICI HEIGHTS, IL

CITIZENSHIP: USA

POST OFFICE ADDRESS: 13 SOUTH PARKWAY, PROSPECT HEIGHTS, IL 60070

FULL NAME OF JOINT INVENTOR 5: ERWIN O. RUECKIGER

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: SWITZERLAND

CITIZENSHIP: SWITZERLAND

POST OFFICE ADDRESS: HALLERSTRASSE 50, CH-3012 BERN, SWITZERLAND

FULL NAME OF JOINT INVENTOR 6: EDWARD L. PETERSEN

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: FAIRFAX, VA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 2502 BABSON COURT, FAIRFAX, VA 22032-2201

FULL NAME OF JOINT INVENTOR 7: MARGARET A. SHUA

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: NASHUA, NH

CITIZENSHIP: USA

POST OFFICE ADDRESS: 100 TENNYSON AVENUE, NASHUA, NH 03062-2335

FULL NAME OF JOINT INVENTOR 8: DONALD F. SMART

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: NASHUA, NH

CITIZENSHIP: USA

POST OFFICE ADDRESS: 100 TENNYSON AVENUE, NASHUA, NH 03062-2335

FULL NAME OF JOINT INVENTOR 9: HJWAKID C. SMITH

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: OCEANSIDE, CA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 1724 SOUTHRIDGE WAY, OCEANSIDE, CA 92056

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AND POWER OF ATTORNEY

Navy Case 78824

FULL NAME OF JOINT INVENTOR 3: BUDDY BROWNSTEIN

INVENTOR'S SIGNATURE: _____

RESIDENCE: OXON HILL, MD
CITIZENSHIP: USA

POST OFFICE ADDRESS: 7402 OXON HILL ROAD, OXON HILL, MD 20745

DATE: _____

FULL NAME OF JOINT INVENTOR 4: WILLIAM F. DIETRICH

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: PROSPECT HEIGHTS, IL
CITIZENSHIP: USA

POST OFFICE ADDRESS: 13 SOUTH PARKWAY, PROSPECT HEIGHTS, IL 60070

FULL NAME OF JOINT INVENTOR 5: ERWIN O. FLUECKIGER

INVENTOR'S SIGNATURE: *Erwin O. Flueckiger*DATE: 22 July 2002

RESIDENCE: SWITZERLAND

CITIZENSHIP: SWITZERLAND

POST OFFICE ADDRESS: HALLEKSTRASSE 50, CH-3012 BERN, SWITZERLAND

FULL NAME OF JOINT INVENTOR 6: EDWARD L. PETERSEN

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: FAIRFAX, VA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 9503 BABSON COURT, FAIRFAX, VA 22032-2001

FULL NAME OF JOINT INVENTOR 7: MARGARET A. SHEA

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: NASHUA, NH

CITIZENSHIP: USA

POST OFFICE ADDRESS: 100 TENNYSON AVENUE, NASHUA, NH 03062-2535

FULL NAME OF JOINT INVENTOR 8: DONALD F. SMART

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: NASHUA, NH

CITIZENSHIP: USA

POST OFFICE ADDRESS: 100 TENNYSON AVENUE, NASHUA, NH 03062-2535

FULL NAME OF JOINT INVENTOR 9: EDWARD C. SMITH

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: OCEANSIDE, CA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 3724 SOUTHRIDGE WAY, OCEANSIDE, CA 92056

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AND POWER OF ATTORNEY

Navy Case 78,824

FULL NAME OF JOINT INVENTOR 3: BUDDY BROWNSTEIN

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: OXON HILL, MD

CITIZENSHIP: USA

POST OFFICE ADDRESS: 7402 OXON HILL ROAD, OXON HILL, MD 20745

FULL NAME OF JOINT INVENTOR 4: WILLIAM F. DIETRICH

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: PROSPECT HEIGHTS, IL

CITIZENSHIP: USA

POST OFFICE ADDRESS: 13 SOUTH PARKWAY, PROSPECT HEIGHTS, IL 60070

FULL NAME OF JOINT INVENTOR 5: ERWIN O. FLUECKIGER

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: SWITZERLAND

CITIZENSHIP: SWITZERLAND

POST OFFICE ADDRESS: HALLERSTRASSE 50, CH-3012 BERN, SWITZERLAND

FULL NAME OF JOINT INVENTOR 6: EDWARD L. PETERSEN

INVENTOR'S SIGNATURE: Edw L. Petersen DATE: Aug 9 2002

RESIDENCE: FAIRFAX, VA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 9502 BABSON COURT, FAIRFAX, VA 22032-2001

FULL NAME OF JOINT INVENTOR 7: MARGARET A. SHEA

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: NASHUA, NH

CITIZENSHIP: USA

POST OFFICE ADDRESS: 100 TENNYSON AVENUE, NASHUA, NH 03062-2535

FULL NAME OF JOINT INVENTOR 8: DON F. SMART

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: NASHUA, NH

CITIZENSHIP: USA

POST OFFICE ADDRESS: 100 TENNYSON AVENUE, NASHUA, NH 03062-2535

FULL NAME OF JOINT INVENTOR 9: EDWARD C. SMITH

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: OCEANSIDE, CA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 3724 SOUTHRIDGE WAY, OCEANSIDE, CA 92056

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AND POWER OF ATTORNEY

Navy Case 78.824

FULL NAME OF JOINT INVENTOR 3: BUDDY BROWNSTEIN

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: OXON HILL, MD

CITIZENSHIP: USA

POST OFFICE ADDRESS: 7402 OXON HILL ROAD, OXON HILL, MD 20745

FULL NAME OF JOINT INVENTOR 4: WILLIAM F. DIETRICH

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: PROSPECT HEIGHTS, IL

CITIZENSHIP: USA

POST OFFICE ADDRESS: 13 SOUTH PARKWAY, PROSPECT HEIGHTS, IL 60070

FULL NAME OF JOINT INVENTOR 5: ERWIN O. PLUECKIGER

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: SWITZERLAND

CITIZENSHIP: SWITZERLAND

POST OFFICE ADDRESS: HAUERSTRASSE 50, CH-3012 BERN, SWITZERLAND

FULL NAME OF JOINT INVENTOR 6: EDWARD L. PETERSEN

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: FAIRFAX, VA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 9502 BABSON COURT, FAIRFAX, VA 22032-2001

FULL NAME OF JOINT INVENTOR 7: MARGARET A. SHEA

INVENTOR'S SIGNATURE: Margaret A. Shea DATE: 23 July 2002

RESIDENCE: NASHUA, NH

CITIZENSHIP: USA

POST OFFICE ADDRESS: 100 TENNYSON AVENUE, NASHUA, NH 03062-2535

FULL NAME OF JOINT INVENTOR 8: DON F. SMART

INVENTOR'S SIGNATURE: Don F. Smart DATE: 23 July 2002

RESIDENCE: NASHUA, NH

CITIZENSHIP: USA

POST OFFICE ADDRESS: 100 TENNYSON AVENUE, NASHUA, NH 03062-2535

FULL NAME OF JOINT INVENTOR 9: EDWARD C. SMITH

INVENTOR'S SIGNATURE: _____ DATE: _____

RESIDENCE: OCEANSIDE, CA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 3724 SOUTHRIDGE WAY, OCEANSIDE, CA 92056

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FROM :

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AND POWER OF ATTORNEY

Navy Case 78,824

FULL NAME OF JOINT INVENTOR 3: BUDDY BROWNSTEIN

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: OXON HILL, MD

CITIZENSHIP: USA

POST OFFICE ADDRESS: 7402 OXON HILL ROAD, OXON HILL, MD 20745

FULL NAME OF JOINT INVENTOR 4: WILLIAM F. DIETRICH

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: PROSPECT HEIGHTS, IL

CITIZENSHIP: USA

POST OFFICE ADDRESS: 13 SOUTH PARKWAY, PROSPECT HEIGHTS, IL 60070

FULL NAME OF JOINT INVENTOR 5: ERWIN O. FLUECKIGER

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: SWITZERLAND

CITIZENSHIP: SWITZERLAND

POST OFFICE ADDRESS: HALLERSTRASSE 50, CH-3012 BERN, SWITZERLAND

FULL NAME OF JOINT INVENTOR 6: EDWARD L. PETERSEN

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: FAIRFAX, VA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 9502 BABSON COURT, FAIRFAX, VA 22032-2011

FULL NAME OF JOINT INVENTOR 7: MARGARET A. SHEA

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: NASHUA, NH

CITIZENSHIP: USA

POST OFFICE ADDRESS: 100 TENNYSON AVENUE, NASHUA, NH 03062-2535

FULL NAME OF JOINT INVENTOR 8: DON F. SMART

INVENTOR'S SIGNATURE: _____

DATE: _____

RESIDENCE: NASHUA, NH

CITIZENSHIP: USA

POST OFFICE ADDRESS: 100 TENNYSON AVENUE, NASHUA, NH 03062-2535

FULL NAME OF JOINT INVENTOR 9: EDWARD C. SMITH

INVENTOR'S SIGNATURE: Edward C. SmithDATE: 7-22-02

RESIDENCE: OCEANSIDE, CA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 3724 SOUTHRIDGE WAY, OCEANSIDE, CA 92056

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AND POWER OF ATTORNEY

Navy Case 78,824

1. NAME OF JOINT INVENTOR (if any): ALAN J. TYLKA

INVENTOR'S SIGNATURE: 

DATE: 7/15/2002

RESIDENCE: SILVER SPRING, MD

CITIZENSHIP: USA

POST OFFICE ADDRESS: 13713 CHERKINIDE DRIVE, SILVER SPRING, MD 20904

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